Number Description Section S	10 4 1 4 12 4 1 4 8 4 1 4 8 4 1 4	Cont 0% 2 16% 0% 6 20% 6 22% 0% 6 18%	Cont \$ \$0 \$6,688	Total w/ Cont \$0 \$48,488 \$0 \$0 \$23,624 \$108,412 \$0
Materials Number Description <\$25000 >\$600000 Mat'ls Eng'r Physicist Design Tech DTS Shops Cost w/o Cont Tech WF Design Tech DTS Shops Cost W/o Cont Tech WF Design Tech DTS Shops Cost W/o Cont Tech WF Design Tech Use Tech WF Design Tech DTS Shops Cost W/o Cont Tech WF Design Tech Use Tech WF Design Tech Tech WF Design Tech Tech WF Design Tech Tech WF Design Tech WF Design Tech Tech WF Design Tech WF Design Tech WF Design Tech Tech WF Design Tech WF Design Tech Tech WF Design Tech WF Tech Tech WF Tech Tech WF Tech Tech Tech WF Tech Te	10 2 1 2 10 4 1 4 12 4 1 4 8 4 1 4 8 4 1 4	0% 16% 0% 0% 20% 22% 0%	\$0 \$6,688 \$0 \$0 \$3,937	w/ Cont \$0 \$48,488 \$0 \$0 \$23,624
Construction Supervision	10 4 1 4 12 4 1 4 8 4 1 4 8 4 1 4	0% 0% 20% 22% 0%	\$0 \$0 \$3,937	\$0 \$0 \$23,624
Engr & Design Supervision	10 4 1 4 12 4 1 4 8 4 1 4 8 4 1 4	0% 0% 20% 22% 0%	\$0 \$0 \$3,937	\$0 \$0 \$23,624
Physicist Supervision Design Design Physicist Supervision	8 4 1 4 8 4 1 4 8 4 1 4	22% 0% 0%		
Design	8 4 1 4 8 4 1 4 8 4 1 4	22% 0% 0%		
1.4.4.2.1 Lambertson Magnets \$1,000 \$1,000 \$1,000 \$20 16 40 160 24 40 \$18,687 \$19,687 1 2 Thick lambertson \$6,000 \$6,000 20 40 120 580 48 400 \$82,862 \$88,862 1 2 Equipment Removal \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 A-Line (AQ7 to A-Target) \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 A2-Line A2-Line \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td>8 4 1 4 8 4 1 4 8 4 1 4</td> <td>22% 0% 0%</td> <td></td> <td></td>	8 4 1 4 8 4 1 4 8 4 1 4	22% 0% 0%		
1.4.4.2.1 Lambertson Magnets \$1,000 \$1,000 \$1,000 \$20 16 40 160 24 40 \$18,687 \$19,687 1 2 Thick lambertson \$6,000 \$6,000 20 40 120 580 48 400 \$82,862 \$88,862 1 2 Equipment Removal \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 A-Line (AQ7 to A-Target) \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 A2-Line A2-Line \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 <td>8 4 1 4 8 4 1 4 8 4 1 4</td> <td>22% 0% 0%</td> <td></td> <td></td>	8 4 1 4 8 4 1 4 8 4 1 4	22% 0% 0%		
Thick lambertson \$6,000 \$6,000 \$6,000 \$0 40 120 580 48 400 \$82,862 \$88,862 1 2 50 50 50 50 50 50 50	8 4 1 4 8 4 1 4 8 4 1 4	22% 0% 0%		
1.4.4.2.2 Equipment Removal S0 S0 S0 S0 S0 S0 S0 S	8 4 1 4 8 4 1 4 8 4 1 4	0% 0%	\$19,550 \$0	\$108,412 \$0
A-Line (AQ7 to A-Target) \$0 192 88 \$15,670 \$15,670 \$1 \$2 A1-Line \$0 480 256 \$41,482 \$41,482 \$1,28 A2-Line \$0 64 216 \$17,183 \$17,183 \$1 2	8 4 1 4 8 4 1 4	0% 18%		
A1-Line S0 480 256 \$41,482 1 2 A2-Line S0 64 216 \$17,183 1 2	8 4 1 4 8 4 1 4	18%	φυ	\$0
A2-Line \$0 \$0 64 216 \$17,183 \$17,183 1 2	8 4 1 4	18%	\$2,821 \$7,467	\$18,491 \$48,949
	8 1 1 1	18%	\$3,093	\$20,276
A3-Line \$0 496 256 \$42,318 \$42,318 1 2		18%	\$7,617	\$49,935
Rad material Disposal \$48,000 \$48,000 \$00 \$41,800 \$89,800 1 2	8 4 1 2	16%	\$14,368	\$104,168
Power Supplies \$0 \$0 \$0 \$0 \$0		0%		\$0
		26%	\$26,199	\$126,962
PSI Control Upgrades \$27,000 \$81,000 \$108,000 4000 96 \$215,151 \$323,151 3 2 Refurbish Power Supplies \$0	10 4 2 4	28% 0%	\$90,482 80	\$413,633 \$0
PS Installation & Hook-up \$15,000 \$26,000 \$41,000 512 1232 \$105,686 \$146,686 1 2		20%	\$29,337	\$176,023
		20%	\$9,791 \$5,852	\$58,747 \$35,112
80 \$0 \$29,200 \$29,200 1 2	0 4 1 4	0%	φ5,652 \$0	\$35,112 \$0
Magnets \$0 <t< td=""><td></td><td></td><td>\$0</td><td>\$0</td></t<>			\$0	\$0
		20% 20%	\$46,770 \$11,214	\$280,620 \$67,287
		24%	\$43,825	\$226,430
		0%		\$0
Shielding \$0 \$0 \$0 \$0 \$0 \$0 \$390,446 \$687,346 \$1 2	10 4 2 4	24%	\$164,963	\$852,310
Mod for Solenoid Install \$0 1624 \$104,050 \$104,050 1 2	10 4 2 4	24%	\$24,972	\$129,022
		36% 42%	\$25,652 \$8,400	\$96,908 \$28,400
\$0 \$0,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	0 10 2 4	0%	φο,400 \$0	\$20,400 \$0
Electric & Tray \$10,000 \$10,000 \$20,000 \$20,000 800 \$51,256 \$71,256 1 2	10 4 2 4	24%	\$17,101	\$88,357
Cooling Water \$3,000 \$3,000 \$240 \$12,540 \$15,540 1 2	10 4 2 4	24%	\$3,730	\$19,270
\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$		0%		\$0
Vacuum 100790 45000 \$145,790 878 366 1464 160 \$170,822 \$316,612 2 2	8 4 2 4	24%	\$75,987	\$392,599
1.4.4.3 Instrumentation				90
project support \$0 240 120 80 \$31,231 \$31,231 installation supervision \$0 440 \$22,990 \$22,990		0%		\$31,231 \$22,990
installation supervision		0%		\$22,990 \$0
A Transport Devices \$0 \$0 \$0		0%		\$0
SWIC's (4 locations)		00/		#40.540
SWIC's (4 locations) SO 240 40 400 \$40,516 \$40,516 \$40,516 \$120,000 \$120,000 \$120,000 \$120,000 \$240 \$40 \$40 \$40 \$40,516	9 4 2 8	31%	\$37,200	\$40,516 \$157,200
		16%	\$14,400	\$104,400
Servo SWIC (32x32) (Air) 10000 \$10,000 1 2	4 1 2 8	0% 3 16%	\$0 \$1,600	\$0 \$11,600
Servo Switc (32x32) (Air) 10000 10000 1 2 Servo electronics 2000 \$2,000 1 2		3 20%	\$1,000	\$2,400
Bias 6000 \$6,000 1 2	2 1 2 8	14%	\$840	\$6,840
		3 14% 3 14%	\$560 \$280	\$4,560 \$2,280
\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$		0%	\$0	\$0
Current Transformers \$0 <td>10 4 3</td> <td>0%</td> <td>\$0</td> <td>\$0</td>	10 4 3	0%	\$0	\$0
Bergoz 70000 \$70,000 240 40 240 \$32,156 \$102,156 1 2 50 50 50 50 50 50 50 50 50 50 50 50 50	10 4 2 8	8 28% 0%	\$28,604 \$0	\$130,759 \$0
Beam Position Monitors \$0 \$0 \$0 \$0 \$0		0%	\$0	\$0
Includes BPM, cables, electronics 75000 \$75,000 400 120 650 40 \$71,208 \$146,208 2 2 \$5,000 \$5,000 \$5,000 \$5,000 \$120 \$650 40 \$71,208 \$146,208 2 2 2 \$100	10 4 2 8	30%	\$43,862	\$190,070 \$5,000
\$0 \$5,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		0%		φ3,000 \$0

Loss Monitors (various locations)										\$0			
Loss Monitors w/ mounts	16000		\$16,000	160		32)		\$27,418	\$43,418 1 2	8 1 2 8 2	20% \$8,684	\$52,101
Loss monitor Electronics			\$0			-			\$0	\$0 1 2			\$0
HV Bias	6000		\$6,000						φ0 • 0	\$6,000 1 2			\$6,840
									\$ U				
RHIC Style VME	15000		\$15,000						\$0	\$15,000 1 2			\$17,700
Cables (Sig and HV)	1600		\$1,600							\$1,600 1 2	2 1 2 8 1	4% \$224	\$1,824
Interface to machine protect system	5000		\$5,000						\$0	\$5,000 1 2	8 1 2 8 2	20% \$1,000	\$6,000
			\$0						\$0	\$0		0% \$0	\$0
Target Instrumentation			6 0	240	1	20 48	1	40	\$51,628	\$51,628			\$51,628
			 	240	'	20 40	J	40	\$31,026			υ/ο φυ 100/	φ31,026
Pin Diodes			\$0							\$0 <u>1</u> 2			
Pin Diodes & Mounts	10000		\$10,000							\$10,000 1 2			\$12,000
Control Chassis & DCps	2000		\$2,000						\$0	\$2,000 1 2	2 1 2 8 1	4% \$280	\$2,280
SIS scalar	1500		\$1,500						\$0	\$1,500 1 2			
Cables & Connectors	1000		\$1,000						,	\$1,000 1 2			
Cables & Connectors	1000		φ1,000						φ0	\$1,000 1 2	2 1 2 0	4% \$140	φ1,140
			\$0						\$0	\$0			
90 Degree Telescope										\$0			
Detector - PMT/Base/Scint/mount	4500		\$4,500						\$0	\$4,500 1 2	10 2 2 8 2	24% \$1,080	\$5,580
HV Bias	5000		\$5,000						\$0	\$5,000 1 2			\$5,700
	6000								φο				
Phillips counting electronics			\$6,000						\$0	\$6,000 1 2			\$6,840
SIS Scalar counter	2000		\$2,000						\$0	\$2,000 1 2			\$2,280
NIM chassis	3000		\$3,000							\$3,000 1 2			\$3,420
Cables & Connectors	1000		\$1,000							\$1,000 1 2	2 1 2 8 1	4% \$140	
			\$0						\$0	_\$0		0% \$0	\$0
Flage & Vidos			-00						- 0	90			
Flags & Video			\$0						Φ 0	Φ0			
(2 screens, front & back of Target)			\$0						\$0	\$0		0% \$0	\$0
Camera Pan, remote cntrl	2500		\$2,500							\$2,500 1 2			
Flag & holder & mount	1500		\$1,500							\$1,500 1 2	3 1 2 8 1	5% \$225	\$1,725
Video Camera	20000		\$20,000						\$0	\$20,000 1 2			\$23,000
ND Filter Assy & Controls	1000		\$1,000							\$1,000 1 2			
							+		- 5 0				
Lens & Lamps	1000		\$1,000						\$0	\$1,000 1 2	3 1 2 8 1	5% \$150	\$1,150
			\$0							\$0			
Controls	10000		\$10,000				140)	\$8,970	\$18,970 2 2	8 4 2 4 2	24% \$4,553	\$23,523
1.4.4.4 A-Line Security modifications			90						\$0	90			
			Ψ0			0) (,	Ψ0	\$0 \$0	2 4 4 2	00/	
1.4.4.4.1 project support			\$U	0	0	0)	⊅ ∪	\$0 2 2			\$0
installation supervision			\$0			60	0		\$31,350	\$31,350 2 2	3 1 1 2 1	0% \$3,135	\$34,485
1.4.4.4.2 PLC Systems			\$0						\$0				
Programming	\$0		90	320		0) (0	\$21,395	\$21,395 2 2	3 2 2 8 1	9% \$4,065	\$25,460
PLC & Racks	\$8,000		\$8,000			40 24		,	\$17,943	\$25,943			
													\$29,834
I/O modules	\$6,300		\$6,300		i e	0 4		, ,	\$3,160	\$9,460 2 2			\$10,879
R/IO Blocks	\$8,000		\$8,000			0 4	0	0	\$2,090	\$10,090 2 2			\$11,604
UPS and Phoenix connectors	\$4,000		\$4,000			0 4	0 40	0	\$4,653	\$8,653 2 2	3 2 2 4 1	5% \$1,298	\$9,951
Fiber converters (R/IO & DH+ comm)(6	\$4,800		\$4,800	16	1	0 4) (0	\$3,160	\$7,960 2 2	3 2 2 4 1	5% \$1,194	\$9,154
r isor convertere (rure & Brr Comm)(c	ψ 1,000		ψ1,000 en				,	, ,	φο, 100 ©∩	Ψ7,000 2 2	0 2 2 .	0% \$1,101	φο, το τ
4 4 4 4 0 0 -4 - (local 04)			<u>Ψ</u>						φ0 • • • • • • • • • • • • • • • • • • •				
1.4.4.4.3 Gates (Incl. 3 gates)			\$0						\$0			0% \$0	
Gates	\$0	\$0	\$0	0)	\$0	\$0 <u>1</u> 2			
Gates Boxes	\$1,800			40)	40 24	0)	\$17,453	\$17,453 1 2	3 2 1 4 1	1%	
Limit switches (10)	\$600		\$600			0 2)	\$1,254	\$1,854 1 2			\$2,058
Electric strikes (2)	\$240		\$240			0 2)	\$1,254	\$1,494 1 2			
		40			,			,					
Card Readers (2)	\$400	\$0	\$400			•			\$2,625	\$3,025 1 2	3 2 1 4 1	1% \$333	
Key Tree & Iris Scanner	\$9,000		\$9,000			4	0 40)	\$4,653				\$13,653
1.4.4.4.4 Cables			\$0			8) 40	0	\$6,743				\$6,743
Cables 18/c (3000ft)	\$1,500		\$1,500	0)	0	.\$0	\$1,500 2 2	3 4 2 4 1	9% \$285	
Cables 12/c (3000ft)	\$1,500		\$1,500 \$1,500)			\$1,500 1 2			
						•	9	_	- 5 0				
Cables 8/c (3000ft)	\$1,350		\$1,350			,	ס	0	\$0	\$1,350 1 2			
Cables 4/c (3000ft)	\$1,050	\$0	\$1,050			0			\$0	\$1,050 1 2			
	T	\$0	\$750	0		0				\$750 1 2	3 2 1 4 1	1% \$83	
Crash cables (1000ft)	\$750)	0			\$0	\$450 1 2			
Crash cables (1000ft)	\$750 \$450	\$0	\$450	•	1	1	+	+		,		400	
		\$0	\$450										
Crash cables (1000ft) DH+ Comm cables (1000ft)		\$0	\$450 \$0						\$0 				
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV	\$450	\$0	\$0			24			\$0	00.007		0% \$0	\$0
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2)	\$450 \$1,200	\$0	\$0 - \$1,200	40		24 8		_	\$0 \$8,197	\$9,397 1 2			
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter	\$450 \$1,200 \$500	\$0	\$1,200 \$500	40		2	4 0	_	\$1,254	\$1,754	3 2 2 4 1	3% \$228	\$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter	\$450 \$1,200	\$0	\$0 - \$1,200	40			4 0)	\$1,254	\$1,754	3 2 2 4 1	3% \$228	\$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter Lee Data 1*1 Fiber Optics Receiver (2)	\$450 \$1,200 \$500 \$500		\$1,200 \$500 \$500	40		24	4 C)	\$1,254 \$1,254	\$1,754 1 2 \$1,754 1 2	3 2 2 4 1 3 2 2 4	3% \$228 3% \$228	\$1,982 \$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter	\$450 \$1,200 \$500	\$0	\$1,200 \$500	40		2	4 C)	\$1,254	\$1,754	3 2 2 4 1 3 2 2 4	3% \$228 3% \$228	\$1,982 \$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter Lee Data 1*1 Fiber Optics Receiver (2) Digital Cameras (6)	\$450 \$1,200 \$500 \$500		\$1,200 \$500 \$500	40		24	4 C)	\$1,254 \$1,254	\$1,754 1 2 \$1,754 1 2	3 2 2 4 1 3 2 2 4	3% \$228 3% \$228	\$1,982 \$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter Lee Data 1*1 Fiber Optics Receiver (2) Digital Cameras (6) 1.4.4.4.6 Chipmunks	\$1,200 \$500 \$500 \$1,800		\$1,200 \$500 \$500	40		24	4 C		\$1,254 \$1,254	\$1,754	3 2 2 4 3 2 2 4 3 2 2 4	3% \$228 3% \$228 3% \$506 0% \$0	\$1,982 \$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter Lee Data 1*1 Fiber Optics Receiver (2) Digital Cameras (6) 1.4.4.4.6 Chipmunks Chipmunks (0 units)	\$1,200 \$500 \$500 \$1,800 \$0		\$1,200 \$500 \$500	40		24	4 C		\$1,254 \$1,254	\$1,754 1 2 \$1,754 1 2	3 2 2 4 3 2 2 4 3 2 2 4 3 2 2 4	3% \$228 3% \$228 3% \$506 0% \$0	\$1,982 \$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter Lee Data 1*1 Fiber Optics Receiver (2) Digital Cameras (6) 1.4.4.4.6 Chipmunks	\$1,200 \$500 \$500 \$1,800		\$1,200 \$500 \$500	40		24	4 C		\$1,254 \$1,254	\$1,754	3 2 2 4 3 2 2 4 3 2 2 4 3 2 2 4	3% \$228 3% \$228 3% \$506 0% \$0	\$1,982 \$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter Lee Data 1*1 Fiber Optics Receiver (2) Digital Cameras (6) 1.4.4.4.6 Chipmunks Chipmunks (0 units) VME SIS Scaler board	\$1,200 \$500 \$500 \$1,800 \$0 \$0		\$1,200 \$500 \$500	40		24	4 C 4 C D C		\$1,254 \$1,254	\$1,754	3 2 2 4 3 2 2 4	3% \$228 3% \$228 3% \$506 0% \$0 3% \$0	\$1,982 \$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter Lee Data 1*1 Fiber Optics Receiver (2) Digital Cameras (6) 1.4.4.4.6 Chipmunks Chipmunks (0 units) VME SIS Scaler board Weather proof enclusure	\$1,200 \$500 \$500 \$1,800 \$0 \$0	\$0	\$1,200 \$500 \$500	40		24	4 C C C C C C C C C C C C C C C C C C C		\$1,254 \$1,254	\$1,754	3 2 2 4 3 2 2 4	3% \$228 3% \$228 3% \$506 0% \$0 3% \$0 3% \$0 3% \$0	\$1,982 \$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter Lee Data 1*1 Fiber Optics Receiver (2) Digital Cameras (6) 1.4.4.4.6 Chipmunks Chipmunks (0 units) VME SIS Scaler board	\$1,200 \$500 \$500 \$1,800 \$0 \$0		\$1,200 \$500 \$500	40		24	4 C C C C C C C C C C C C C C C C C C C		\$1,254 \$1,254	\$1,754	3 2 2 4 3 2 2 4	3% \$228 3% \$228 3% \$506 0% \$0 3% \$0 3% \$0 3% \$0	\$1,982 \$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter Lee Data 1*1 Fiber Optics Receiver (2) Digital Cameras (6) 1.4.4.4.6 Chipmunks Chipmunks (0 units) VME SIS Scaler board Weather proof enclusure Coaxial cables (1000 ft)	\$1,200 \$500 \$500 \$1,800 \$0 \$0	\$0	\$1,200 \$500 \$500	40		24	4 C C C C C C C C C C C C C C C C C C C		\$1,254 \$1,254	\$1,754	3 2 2 4 3 2 2 4	3% \$228 3% \$228 3% \$506 0% \$0 3% \$0 3% \$0 3% \$0	\$1,982 \$1,982
Crash cables (1000ft) DH+ Comm cables (1000ft) 1.4.4.4.5 CATV Bobcat switch 16*2 mux (2) Lee Data 1*1 Fiber Optics Transmitter Lee Data 1*1 Fiber Optics Receiver (2) Digital Cameras (6) 1.4.4.4.6 Chipmunks Chipmunks (0 units) VME SIS Scaler board Weather proof enclusure	\$1,200 \$500 \$500 \$1,800 \$0 \$0	\$0	\$1,200 \$500 \$500	40		24	4 C C C C C C C C C C C C C C C C C C C		\$1,254 \$1,254	\$1,754	3 2 2 4 3 2 2 4	3% \$228 3% \$228 3% \$506 0% \$0 3% \$0 3% \$0 3% \$0	\$1,982 \$1,982

Check station boxes	\$300			\$300	80		40	80	0		\$11,767	\$12,067	1 2	3	2 2	4 13%	\$1,569	\$13,636
Crash Actuators	\$500			\$500				80	0		\$4,180	\$4,680	1 2	3	2 2	4 13%	\$608	\$5,288
Crash Stations and Alarms	\$1,500			\$1,500				160	0		\$8,360	\$9,860	1 2	3	2 2	4 13%	\$1,282	\$11,142
Safety & Facilities				\$0								\$0				0%		\$0
				_								_						
1.4.4.5 Common Equipment and Facilities				_								_						
ODH	\$5,000			\$5,000	80		80	240	240		\$37,742	\$42,742	1 2	10	6 2	4 28%	\$11,968	\$54,710
Dehumidification		\$40,000		\$40,000	40		40		160		\$15,164	\$55,164	2 2	10	6 2	2 28%	\$15,446	\$70,610
Fire Detection	\$5,000			\$5,000					240		\$15,377	\$20,377	1 2	10	4 2	4 24%	\$4,890	\$25,267
Bldg 912 Facility Upgrade	\$40,000			\$40,000								\$40,000	2 2	8	4 2	2 22%	\$8,800	\$48,800
				\$0								\$0				0%		
1.4.4.6 Cryo Support Facilities				\$0								\$0				0%		
				_														
1.4.4.7 Experimental Area				\$0								\$0				0%		
												\$0				0%		
Labor Hours					3158	336	1710	21206	12804	1240		_				0%		
FTE					1.8	0.2	1.0	12.1	7.3	0.7								
TOTALS - DIRECT	\$838,430	\$698,100	\$0	\$1,449,730	\$211,144	\$29,981	\$95,692	\$1,108,014	\$820,352	\$117,366	\$2,382,549	\$3,896,883				22%	\$870,362	\$4,770,188
indirect %	24.98%	13.19%			39.47%	39.47%	39.47%	39.47%	12.05%	12.05%								
											\$0							\$0
TOTAL	\$1,047,851	\$ 790,204	\$	1,838,055	\$ 294,489	\$ 41,816	\$ 133,464	\$ 1,545,381	\$ 919,205	\$ 131,509 \$	3,065,863 \$	4,903,918				22% \$	1,095,282	\$5,999,200